

# QGIS Application - Bug report #4449

## strange behaviour of piechart function of QGIS

2011-10-26 08:04 AM - lokheart \_

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> Symbology	
<b>Affected QGIS version:</b> master	<b>Regression?:</b> No
<b>Operating System:</b>	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> fixed
<b>Crashes QGIS or corrupts data:</b> No	<b>Copied to github as #:</b> 14379

### Description

I am using QGIS to visual health status of elderly in an elderly home, whether they have medical devices or not is one attribute that I am trying to visualize.

I have create the map using mapwindows, and use R to create a tab-delimited txt file to carry the medical device information (7 columns, 6 columns of 0 or 1, and one uid that will be used to join the bed layer in QGIS.

I used the diagram tab in the properties menu of the bed layer, and pie-chart is being used for visualization: if the elderly have 3 devices, the pie will be presented with 3 parts with 3 different colours. And strange things are visualized.

A majority of elderly do not have any devices (i.e. that should be straight zeros for the 6 column in the txt file). I support no pie chart should be visualized, but QGIS still show a solid pie using the last attribute I have inserted in the diagram tab of the properties menu.

I have tried to insert a csvt file to explicitly state that those medical device columns are integer, real, but it still fails. QGIS visual an attribute with value 0 as 1, if all of the attributes used for plotting are straight zeros.

Can anyone help?

Thanks.

The question was asked at GIS stackexchange:

<http://gis.stackexchange.com/questions/16194/strange-behaviour-of-piechart-function-of-qgis>

### History

#### #1 - 2011-10-26 08:06 AM - Giovanni Manghi

Can you please attach a small sample of your data?

#### #2 - 2011-10-26 08:15 AM - lokheart \_

Giovanni Manghi wrote:

| *Can you please attach a small sample of your data?*

I can give it to you tomorrow morning, but it's something like the one below:

```
"uid" "A" "B" "C" "D" "E" "F"
```

"1111-R1" 0 0 0 0 1 0  
"1111-R2" 1 0 0 1 0 0

Hope this helps, thanks again.

### #3 - 2011-10-26 05:39 PM - Nathan Woodrow

I can confirm. The pink one at the top should have nothing, or at least see though.

<http://i.imgur.com/RymUg.png>

Looks like a bug to me.

For now the best way to handle this would be have two layers using the query string that underdark put on GIS stackexchange. The first layer with:

$A + B + C + D + E + F > 0$  to show all the records that have something and have diagrams enabled on this layer.

and the other with

$A + B + C + D + E + F = 0$  to show all with no devices.

QGIS queries are real time so if you happen to add a devices to one that didn't have one it will show up in the layer with the diagram and not in the second layer.

### #4 - 2011-11-12 05:51 AM - Tim Sutton

- Target version changed from Version 1.7.1 to Version 1.7.2

### #5 - 2011-11-30 12:40 PM - Giovanni Manghi

- Target version changed from Version 1.7.2 to Version 1.7.3

### #6 - 2011-12-16 10:54 AM - Giovanni Manghi

- Target version changed from Version 1.7.3 to Version 1.7.4

### #7 - 2012-04-16 06:31 AM - Paolo Cavallini

- Target version changed from Version 1.7.4 to Version 1.8.0

- Crashes QGIS or corrupts data set to No

- Affected QGIS version set to master

### #8 - 2012-08-15 07:27 AM - Matthias Kuhn

- Status changed from Open to Feedback

Fixed on my repo:

<https://github.com/matthias-kuhn/Quantum-GIS/commit/97a542750cb5c0afac04d3c7d824db4ceb233bfa>

Draws an empty (transparent) circle for pie charts with only 0-values.

### #9 - 2012-08-16 09:16 AM - Giovanni Manghi

Matthias Kuhn wrote:

*Fixed on my repo:*

<https://github.com/matthias-kuhn/Quantum-GIS/commit/97a542750cb5c0afac04d3c7d824db4ceb233bfa>

*Draws an empty (transparent) circle for pie charts with only 0-values.*

Hi Matthias, if you are going to merge into master I guess we can close this ticket.

**#10 - 2012-09-04 11:56 AM - Paolo Cavallini**

- Target version changed from Version 1.8.0 to Version 2.0.0

**#11 - 2012-09-05 05:36 AM - Matthias Kuhn**

- Resolution set to fixed

- Status changed from Feedback to Closed

Fixed in master